

INTERVAL SHEET

Page 1 of 1

VDMR Well No: 1478

Date rec'd: 2/18/66

Sample Interval: from 35 to 320

PROP: Va. Dept of Highways
 New Market Rest Area #1
 COMP: C. R. Moore (South Lane)

Number of samples: 29

Total Depth: 320

COUNTY: Rockingham (Tenth Legion)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
35 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-
300 - 310	-	-	-
310 - 320	-	-	-

All intervals have both washed and unwashed samples

OWNER: Virginia Department of Highways, Interstate #81 VDMR #1478
New Market Rest Area, Well #1 (South Lane) WWCR #544
DRILLER: C. R. Moore Well Drilling Company TOTAL DEPTH: 320'
COUNTY: Rockingham (Tenth Legion)

GEOLOGIC LOG

- 0-35 No sample.
- 35-40 Limestone and Dolomite — medium-gray, aphanocrystalline, limestone with subconchoidal fracture; light-gray, medium-coarse-crystalline dolomite.
- 40-50 " with minor fine-grained dolomite and trace of orange-brown weathered chert pebbles (probably from 35-40 interval).
- 50-60 Limestone and Dolomite — medium-gray to light-gray, fine-grained to coarse-crystalline; minor pyrite and carbonaceous material.
- 60-70 Dolomite — medium-light-gray, fine to coarse-crystalline; minor white dolomite veins; trace pyrite and carbonaceous material.
- 70-80 Dolomite — medium-gray, very-fine-crystalline, trace pyrite.
- 80-90 Dolomite — medium-gray-very-fine to medium-crystalline; trace aphanocrystalline limestone.
- 90-100 Dolomite — medium- to medium-dark-gray; very-fine to medium-fine-crystalline; trace white, vein dolomite.
- 100-110 Dolomite — medium-gray, coarse-crystalline to aphanocrystalline; minor chert and carbonaceous shale with pyrite.
- 110-120 Dolomite — medium-gray, fine-crystalline; minor medium-gray chert.
- 120-130 " with minor medium-crystalline dolomite.
- 130-140 Dolomite — medium-light, fine-crystalline; minor dark-gray carbonaceous dolomite.
- 140-150 Calcareous Dolomite — medium- to medium-light-gray, fine-crystalline.
- 150-160 Dolomite — medium-light-gray, medium-crystalline; trace medium-dark-gray chert.

OWNER: Va. Dept. of Hwys., Int. #81, New Market Rest Area, Well #1 (South Lane)

160-170 Shaly Dolomite — medium-dark-gray, fine-crystalline; trace white, vein dolomite, medium-gray chert.

170-180 " no chert, trace pyrite.

180-190 Dolomite — medium-gray, medium crystalline; minor white, vein dolomite, medium-dark-gray chert.

190-200 Dolomite — medium-light to medium-gray; fine to medium crystalline; minor carbonaceous material; trace medium-gray chert and pyrite.

200-210 " "

210-220 " "

220-230 Dolomite — medium-dark-gray, medium crystalline; trace vein dolomite and chert.

230-240 Dolomite — medium-gray, very-fine-grained.

240-250 Dolomite — medium-gray, very-fine to medium-crystalline.

250-260 Dolomite — medium-dark-gray, very-fine crystalline; minor dusty pyrite; trace vein dolomite.

260-270 Dolomite — medium-gray, very-fine to medium crystalline, minor medium-gray chert and vein dolomite.

270-280 " "

280-290 Dolomite — medium-gray, very-fine to medium crystalline, minor vein dolomite and trace of light-brownish-gray dolomite.

290-300 Dolomite — medium-dark-gray, medium crystalline minor very-fine crystalline; minor vein dolomite; trace iron oxide stain.

300-310 Leached Siliceous Dolomite — medium-gray, medium-crystalline, porous and friable (finely crushed by drill) moderate amount of cream to pale orange siliceous material cementing dolomite rhombohedrons and often with empty rhombohedral shaped cavities; minor plate like siliceous fragments of veins with rhombohedral cavities; minor compact, fine crystalline dolomite.

310-320 " "

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-35	No sample	
35-320	Beekmantown Formation	Ordovician

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
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